**SECTION 3.3**

**TECHNICAL SPECIFICATION FOR**

**RECYCLED/ RECLAIMED WATER PIPE**

**NOVEMBER 2000**

**Part 1: General**

* 1. **Scope of Work**

This specification is for all recycled/reclaimed water lines.

**Part 2: Quality Assurance**

* 1. **Reference Standards**
* Public Works Construction Standards for North Central Texas by North Central Texas Council of Governments (NCTCOG), Edition as adopted by DWU
* Addendum to the NCTCOG Standards by DWU, Latest Edition
* §217.69: Reclaimed Water Facilities by Texas Commission on Environmental Quality (TCEQ)
* AWWA C105, Class C

**2.2 Submittals**

Submittals shall be as described in the pertinent pipe or appurtenance specifications.

**Part 3: Product**

**3.1 Materials**

Pipe materials shall be as specified in the plan and will meet all the applicable specification requirements.

* + 1. Pipe

Recycled water pipe must be purple in color. For concrete cylinder pipe a purple dye shall be added to the outside mortar coating concrete mix. For PVC pipe purple dye shall be added during fabrication. As an alternative and for metal pipes the recycled water pipe may be encased inside an 8.0-millimeter purple polyethylene sleeve conforming to AWWA C105, Class C.

* + 1. Detector Tape:

A detector tape must be laid in the same trench as the recycled water pipe and shall be located above and parallel to the pipe. The detector tape shall bear the label “PRESSURIZED WASTEWATER” continuously repeated in letters at least one and one-half inches high.

* + 1. Valves

All valves on the recycled water line must open clockwise and valve covers must have the lettering “REUSE” or “NPW” cast onto the face of the lids.

* + 1. Manholes, Vaults, and Meter Boxes

All manholes, vaults, and meter boxes on the recycled water line shall have a permanent sign affixed inside which is labeled “NON-POTABLE WATER, DO NOT DRINK” in both English and Spanish. All manhole lids must have the lettering “REUSE” or “NPW” cast onto the face of the lids.

**Part 4: Method of Measurement and Payment**

There are no separate pay items for these requirements. The cost for these items should be included as incidental to the bid price for the related pipe and appurtenance items.

**\*\*END OF SECTION\*\***